Ankitha Sai Venkata

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EDUCATION

University of Washington – Michael G. Foster School of Business   **Seattle, WA**
Master of Science in Information Systems, GPA: 3.96/4.0 (**Class Valedictorian**)   June 2022 – June 2023
Relevant Coursework: Business Data Analysis, Machine Learning, Data Mining, Database Systems and Data Warehouse

BITS Pilani University   **Hyderabad, India**
Bachelor of Engineering in Electronics and Communication, **Graduated in the First division**   Aug 2017 – Aug 2021

WORK HISTORY

Fortuna Identity   **Nashville, TN**
Data Analyst   July 2021 – Feb 2022
Cybersecurity startup specializing in Identity and Access Management for healthcare institutions
- Implemented **data mining** techniques in **Python** such as Frequent Pattern Growth Mining to improve the Intrusion Detection System (IDS) and reduced the number of false positives, saving 20 man hours per week
- Worked **cross-functionally** with the business team and engineering team to conduct **market research** and designed dashboards for 3 types of stakeholders to visualize performance metrics
- Simulated an **ETL data pipeline** using **R Shiny** and developed a GUI to display 10 proposed dashboards

Airmeet   **Bangalore, India**
Business Analyst Intern   Jan 2021 – June 2021
- Handled over 40 clients in the APAC and MEA regions, managing **client relations** and over $350K of business
- Harnessed the use of **CRM software**, **Tableau** visualizations and **Metabase** queries to analyze company data and made **data-driven decisions** on customer expansion, lining up $100K in the pipeline for the next quarter

Fortuna Identity   **Hyderabad, India**
Data Analyst Summer Intern   May 2020 – July 2020
- Used **ELK Stack** to analyze network logs for **trends amongst data** packets that were raising false positive alerts
- Implemented a contextual signature database in Python for the IDS based on the **metadata** of safe packets
- Successfully filtered out false positive alerts bringing down the total alerts from 8.5 million to 50K per day

SKILLS

- **Programming Languages:** SQL, Python (Pandas, Numpy, Matplotlib, Scikit-Learn), R (Dplyr, Ggplot2, Caret)
- **Tools:** Tableau, Power BI, MS Excel, MS Access, Metabase, ELK Stack, RethinkDB, Figma, LINUX, AWS
- **Certifications:** AWS Cloud Practitioner, (ISC)² Certified in Cybersecurity (CC), Google Cybersecurity Certificate
- **Areas:** Data Analytics, Data Governance, Data Visualization, Machine Learning, Database Management, Statistical Analysis, Business Intelligence, Data Transformation, Data Modeling, Technical Report Writing, Information Security
- **Languages:** English, Telugu, Hindi, French

ACADEMIC PROJECTS

Predictive Modeling on Airbnb Listing Prices
- Analyzed Airbnb listing data to predict the price of a new Airbnb listing based on factors such as location and amenities and performed **statistical analysis** to suggest property improvements to increase hosts' revenue
- Implemented **machine learning** algorithms in R such as Multiple Linear Regression, random Forests, etc and achieved an RMSE value of 0.75 when predicting the price – Project Summary

Database Design for an Airlines Company
- Designed an efficient and scalable **relational database** using **SQL queries** for an airline considering their business operations and the intricacies of air travel, with 15 different tables and over 50 fields – Project Summary

Other Projects on Portfolio website: https://ankitha-venkata.github.io/

VOLUNTEER EXPERIENCE & EXTRACURRICULARS

Girl Up Amara, Head of Publicity   **Aug 2020 – Aug 2021**
Led a team of 15 people in a United Nations initiative to raise awareness on issues through outreach campaigns

BITSMUN Hyderabad, Head of Professional Events   **May 2019 – May 2021**
Spearheaded a new initiative to organize a large-scale event for an audience of over 500 people